

49153A Molded Cable Assemblies - DIN Cable Assembly

  	For more information please call 1-800-Belden1 <u>See Put-ups and Colors</u>
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Description:

5-position shielded DIN, used where a shielded conductor is desired and as a low cost alternative to a D-Sub, PVC insulation, foil plus braid shield, straight handle, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	5
Total Number of Conductors	5
Number of Pins	5
AWG	26
Stranding	19x38
Conductor Diameter	.020 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	0.014 in.

OUTER SHIELD:

Outer Shield Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

Outer Shield %Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	26
Outer Shield Drain Wire Stranding	19x38
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.037 in.

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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.231 in.
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ASSEMBLY DIMENSIONAL CHARACTERISTICS:

Assembly Dimensional Length	10 ft.
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CONNECTOR CHARACTERISTICS:

FIRST END :	
Connector Characteristics - First End Connector Type	DIN
Connector Characteristics - First End # of Connector Contacts/positions	5
Connector Characteristics - First End Connector Gender	Male
Connector Characteristics - First End Connector Shielding Type	Metal Backshell
Connector Characteristics - First End Overmold Type	5 Position DIN with Flex Tail
Connector Characteristics - First End Overmold Compound Material	PVC
Connector Characteristics - First End Overmold Color	Black

SECOND END :	
Connector Characteristics - Second End Connector Type	No Connector

NOT TERMINATED :	
Connector Characteristics (not Terminated) Jacket Removal Dimension	1 +/- .125 in.
Connector Characteristic (not terminated) Drain Wire Solder Dip	.25 +/- .125 in.

Wiring	Shield to Connector Shell
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WIRING DIAGRAM:

Wiring Diagram Color Code Chart :

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green

MECHANICAL CHARACTERISTICS:

UL Temperature Rating	80°C (UL AWM Style 2464)
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

NEC/(UL) Specification	CM (cable only)
AWM Specification	UL Style 2464 (300 V 80°C) (cable only)

APPLICABLE STANDARDS:

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EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	VW-1 (Cable only)
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2464)
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NOTES:

Notes	Foil and braid shielded for high-noise environments. Outer jacket stripped one inch.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
49153A 010S2	5 POS DIN STRAIGHT RI37896	S2	1	BLACK	

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